

**Statement of Basis**  
**For**  
**Hanford Site Air Operating Permit No. 00-05-006**  
**2006 Renewal**

**State of Washington Department of Ecology**  
**State of Washington Department of Health**  
**Benton Clean Air Authority**

**BACKGROUND**

The Statement of Basis (Statement) is issued by the permitting agencies as a separate supporting reference document to the Hanford Air Operating Permit (AOP). The Statement sets forth the legal and factual basis for the AOP conditions, and is not intended for enforcement purposes. The Statement includes references to the applicable statutory or regulatory provisions, technical supporting information on specific emission units, and clarifications of specific requirements. [Washington Administrative Code (WAC) 173-401-700(8)]

In 1990, U.S. Congress amended the federal Clean Air Act (CAA). One change was to create air operating permits for industrial sources of air pollution (codified in Title 5 of the CAA). Prior to the creation of these permits, facility managers, regulators and the public had to look through many separate requirements to find those that applied to a certain facility. An air operating permit brings all applicable requirements into one place and requires the manager of the source to certify that it complies with all the applicable requirements. Further, the burden of proof for compliance changed from the regulating agencies to the sources.

In 1991, the Washington State Legislature updated the Washington Clean Air Act [Chapter 70.94 of the Revised Code of Washington (RCW)] to make it consistent with the new federal program.

In 1993, Ecology developed Washington's operating permits regulation to comply with federal regulations [Part 70 of Title 40 of the Code of Federal Regulations (40 CFR 70), or Title 5 of the federal CAA], and applied to the federal Environmental Protection Agency (EPA) for program approval. In November 1994, EPA granted Washington State Department of Ecology (Ecology) interim approval for the operating permit program [Chapter 173-401 of the Washington Administrative Code, or WAC 173-401]. However, EPA also directed the state to correct several issues including insignificant emission units (IEUs). Over disagreement with the IEU issue, it took many years' negotiation and litigation to resolve the differences. Finally, full approval of the state program and IEU language was issued to the State of Washington by EPA effective on January 2, 2003.

The Washington State Clean Air Act requires Ecology and the local air authorities to establish a program of renewable air operating permit [RCW 70.94.161 and Appendix A to Part 70 of Title 40 of the Code of Federal Regulations (40 CFR 70)]. Ecology is the leading agency for the Hanford AOP. Through memorandum of understanding and delegation, the Hanford AOP is

regulated and enforced by three agencies. Ecology regulates non-radioactive toxic and criteria air emissions, Washington State Department of Health (Health) regulates radioactive air emissions, and Benton Clean Air Authority (BCAA) regulations asbestos and outdoor burning. The memorandum of understanding between Ecology and Health and delegation letter between Ecology and BCAA are documented in the Appendices of this Statement.

The Hanford Site AOP was initially issued on June 18, 2001, in accordance with WAC 173-401, covering the 5-year operating period from July 2, 2001 to July 1, 2006. Ecology, Health and BCAA initiated AOP renewal activities approximately 18 months before the July 2006 expiration date. Department of Energy submitted several application materials from April to December 2005, and on December 21, 2005, the agencies accepted the renewal application as complete. The AOP renewal processes are subject to the same procedural requirements that apply to initial permit issuance, including those for public participation, affected state and EPA reviews. [WAC 173-401-710(2)]

The Hanford AOP is comprised of four enforceable parts. The first part includes *Standard Terms and General Conditions*. The *Standard Terms* are standard provisions for all AOPs in the State of Washington [WAC 173-401-620], and the *General Conditions* are general requirements applicable to all emission units within the Hanford Site. The second part is *Attachment 1* which includes all applicable operating conditions and limits enforced by Ecology rules and regulations. The third part is *Attachment 2* which includes all applicable operating conditions and limits enforced by Health rules and regulations. The fourth and last part of the Hanford AOP is *Attachment 3* which includes regulatory requirements for asbestos and outdoor burning enforced by BCAA. This Statement of Basis is organized in the same fashion corresponding to the table of content of the AOP. The detail of the description in the Basis depends on the background of the regulatory requirements and the complexity of the topic. If an AOP condition is self-explanatory, no lengthy statement is provided.

Definitions used in this AOP are incorporated by reference as contained in WAC 173-401-200, WAC 173-400-030, WAC 173-460-020, WAC 246-247-030, and those specified under BCAA Regulation 1 (and/or incorporated by reference therein). Specific definitions unique to this AOP include the following.

Discovery – qualitative determination that a potential threat to public health or safety exists or existed after an evaluation of pertinent information.

Permitting Authority – in the Hanford Site AOP are the Ecology, the Health, and the BCAA; with Ecology acting as the lead agency. Health and BCAA regulatory authority pursuant to the terms and conditions of the Hanford Site AOP is described in Sections 3.0 and 4.0 of this Statement.

Significant emission unit or activity - for regulated air pollutants, excluding radionuclides, this is an emission unit that does not meet the criteria of IEUs as described in WAC 173-401-530.

The Ecology and Health Statements of Basis are non-enforceable, but supporting reference documents that provide a rationale for the development of the permit and offers clarification where deemed necessary. For purposes of this Chapter 401 AOP, the terms “permit” and “license” are synonymous, when a requirement pertains to compliance with the AOP the term “permit” will be used, while when a requirements references a WAC 246-247 action the term “license” will be used.

The effective period of the 2006 AOP renewal covers the five-year period from January 1, 2007 to December 31, 2011. [WAC 173-401-610]

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## CONTENTS

1.0	ACRONYMS .....	7
2.0	GENERAL PROCESS INFORMATION.....	8
3.0	STANDARD TERMS AND CONDITIONS .....	15
4.0	GENERAL CONDITIONS .....	17
5.0	PERMIT SHIELD.....	19

Appendix A – Ecology Completed or closed NOC Approvals, Terms and Conditions or  
Emission Units

Appendix B – Health Obsolete NOC Approvals or Licenses

Appendix C – Health Obsolete or Closed Emission Units

Appendix D - AOP Modification Process (place holder -- currently in DOE/contractor review; to  
be provided in next package for your review)

### **ATTACHMENT 1 .....Ecology Permit**

1. Emission Standards and Limitations
2. Compliance and Periodic Monitoring Provisions
3. Recordkeeping

### **ATTACHMENT 2 .....Health Permit**

1. Emission Standards
2. Applicable Requirement Terms
3. Monitoring, Testing, Quality Assurance, Reporting and Recordkeeping
4. Radioactive Air Emission Units Specific Applicable Requirements Tables

### **ATTACHMENT 3 .....Benton Clean Air Authority Permit**

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## **1.0 ACRONYMS**

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## 2.0 GENERAL PROCESS INFORMATION

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The Hanford Site is included in the *Federal Clean Air Act* (FCAA) Title V AOP Program because it is a “major source” as defined in WAC 173-401-200(19). Specifically, it meets applicability under WAC 173-401-300 because portions of the Hanford Site are:

1. a stationary Source (or group of stationary sources),
2. located on one or more contiguous or adjacent properties,
3. under common control of the same person (or persons under common control),
4. belonging to a single major industrial grouping, **and**
5. described in WAC 173-401-200(19)(a),(b), or (c).

For the purposes of defining "major source," a stationary source or group of stationary sources are considered part of a single industrial grouping if all of the pollutant emitting activities at such source or group of sources on contiguous or adjacent properties all have the same two-digit NAICS (North American Industry Classification System) code categories.

When a facility or entity is located on the Hanford Site, the presumption is that the facility or entity is under the control of one of the DOE Hanford Site operations offices that control waste management and restoration operations on the Hanford Site, specifically, under the control of the Richland Operation Office (RL), the Office of River Protection (ORP), or the Office of Science (DOE-SC). Several entities operating on or near the Hanford Site under a contract or lease and are not under DOE control. The presumption of common control may be overcome and DOE Hanford Site operations offices may seek to exclude an entity from the Hanford Site AOP on a case-specific basis. The final decision is made and approved by Ecology with agreement from EPA.

In general, the following criteria will be used by Ecology and/or EPA to determine whether a source is to be included in the Hanford Site AOP.

1. Is the percentage of the entity's output provided to DOE Hanford Site operations offices greater than 50%?
2. Do the lease/contract terms indicate that DOE Hanford Site operations offices will control the entity?
  - a) What do the lease/contract terms indicate with regard to pollution control/permitting responsibilities?
  - b) Who accepts responsibility for compliance with air quality control requirements?
  - c) What about for violations of the requirements?
  - d) Does DOE have the power to issue a stop-work order to the entity for incidents or conditions harmful to the environment?
  - e) Does DOE exercise directing influence over the entities economic or other pollutant-emitting activities?
  - f) Does DOE have the power to make or veto decisions to implement major emission-control measures or to influence production levels or compliance with environmental regulations?

- g) Does DOE control the performance of the entity?
3. Can DOE Hanford Site operations offices make decisions that affect the entity's pollution control technologies?
  4. Does the entity share products, byproducts, equipment, other property, or pollution control equipment with DOE?
  5. Does the entity share a common workforce, plant manager, security forces, corporate executive officers, payroll activities, employee benefits, health plans, retirement funds, insurance coverage, or other administrative functions?

There are a number of privatized commercial facilities, including a nuclear power plant, a research facility to study gravitational waves, and a commercial low-level radioactive waste burial site located within the boundaries of the Hanford Site. Ecology has concluded these activities are not under the common control of DOE Hanford Site operations offices, and, consequently these facilities are not part of the Hanford Site. [WAC 173-401-200(17)]

The following is provided to support the determination to exclude those facilities and activities listed in Section 2.0 of the “Standard Terms and Conditions” portion of the Hanford Site AOP. All future excluded facilities and activities will be guided by the process outlined in Section 2.0 of this Statement and current regulatory interpretative guidance and precedents.

For sites with multiple types of entities and relationships, the EPA has provided additional interpretive guidance for determining which sources are to be included as part of the major source to be addressed in an air operating permit<sup>1</sup>. The following have been determined to not be part of the Hanford major source.

- **Pacific EcoSolution Corporation, Richland Facility**

The Pacific EcoSolution Corporation (PEcoS), formerly Allied Technology Group Corporation (ATG), operates a low-level radioactive waste decontamination, super compaction, and packaging disposal facility. The percentage of PEcoS service output provided to DOE is less than 50% in terms of shipment or gross weight. A private entity outside the Hanford Site would not be considered a ‘support facility’ to DOE under the guidance on ‘common control’ if the percentage of the entity’s output or service provided to DOE is less than 50%. Based on the current mode of operation, PEcoS shall not be added to the Hanford Site Title V AOP.

- **Interstate Nuclear Services Laundry**

Interstate Nuclear Services (INS) provides cleaning and decontamination services for personnel protection clothing and respirator masks. INS was dependent on DOE as a

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<sup>1</sup> EPA Guidance “Questions and Answers on the Requirements of Operating Permits Program Regulations, July 7, 1993,” and later correspondences on common control issues.

Hanford Site spin-off operation in 1992 and 1993. However, INS solicited business from other DOE sites including the Idaho National Environmental Engineering Laboratory and the Sandia National Laboratory. The percentage of the entity's service output provided to the Hanford Site currently is less than 50%; and the trend appears to be stabilizing for the foreseeable future at about 30%. An entity outside the Hanford Site would not be considered a 'support facility' to DOE under the guidance on 'common control' if the percentage of the entity's output provided to the Hanford Site is less than 50%. Based on the current mode of operation, INS shall not be added to the Hanford Site Title V AOP.

- **Battelle Richland North Facilities**

Battelle Pacific Northwest operates a multiprogram laboratory research and development (R&D) center. Both investigative research and design development activities are conducted within the Richland North Complex (RCHN). Activities are distributed among analytical studies (paper studies); software development; hardware development; hardware design, development, and testing [e.g., instrumentation, robotics, sensors, laser systems, nondestructive examination (NDE), etc.]; energy systems design, analysis and monitoring; and laboratory-based investigative scientific research. The RCHN accommodates a client base that involves both government agencies and private business as well as foreign and domestic clients. The percentage of the entity's service output provided to the Hanford Site is currently less than 50%. An entity outside the Hanford Site would not be considered a 'support facility' to DOE under the guidance on 'common control' if the percentage of the entity's output provided to the Hanford Site is less than 50%. Based on the current mode of operation, the RCHN shall not be added to the Hanford Site Title V AOP.

- **Applied Process Engineering Laboratory**

The Applied Process Engineering Laboratory (APEL) was a joint project with the DOE, the City of Richland, the Port of Benton, and Energy Northwest. Currently APEL is owned and operated by Energy Northwest, has its own RCRA Part B permit, and obtains its own BCAA permits. APEL tests and develops new technologies that can be used in Hanford Site cleanup, as well as provides an incubator for entrepreneurs who want to establish technology-based businesses. APEL is not under the 'common control' of DOE.

- **The Laser Interferometer Gravitational-Wave Observatory**

The Laser Interferometer Gravitational-Wave Observatory (LIGO) is a research facility on the Hanford Site funded by the National Science Foundation (NSF). LIGO was designed and is being constructed by a team of scientists from the California Institute of Technology and the Massachusetts Institute of Technology for the purpose of detecting cosmic gravitational waves and harnessing these waves for scientific research. LIGO does not supply any DOE related services, and is not under the 'common control' of DOE.

- **All Energy Northwest Facilities**

Energy Northwest is a commercial producer of electrical power. It does not supply any direct DOE related services, and is not under the ‘common control’ of DOE.

- **All Port of Benton Facilities**

The Port of Benton is an economic development agency in Benton County. DOE has transferred ownership of several parcels of land and several facilities in the 3000, 400, and 1100 Areas of the Hanford Site to the Port of Benton. The Port of Benton will make the existing infrastructure and buildings available for new business and industry. The Port of Benton is not under the ‘common control’ of DOE.

- **US Ecology, Inc. Commercial Low-Level Radioactive Waste Burial Site**

US Ecology operates a commercial low-level radioactive waste burial site for the State of Washington on land leased from DOE. This burial site receives low-level waste from commercial organizations, does not supply any DOE related services, and is not under the ‘common control’ of DOE.

- **Kaiser Aluminum and Chemical Corporation Extrusion Press Located in the 1100 Area**

This facility produces aluminum baseball bats for sale to the general public, does not supply any DOE related services, and is not under the ‘common control’ of DOE.

- **Areva**

Areva, formerly Framatome-ANP and Siemens Power Corporation before that, operates a commercial nuclear fuel fabrication facility near the southern boundary of the Hanford Site. The Areva facility does not supply any USDOE related services, and is not under the ‘common control’ of DOE.

- **Livingston Rebuild Center, Inc.**

DOE signed a lease in March 1998 with Livingston Rebuild Center, Inc., a major railroad locomotive repair firm from Livingston, Montana, for about one quarter of the Hanford Site 1171 Transportation Maintenance Building. Livingston Rebuild Center rebuilds locomotives and locomotive components for customers throughout the U.S., Canada, and Mexico. The company is not under the ‘common control’ of DOE.

- **PN Services**

PN Services is a subsidiary of Westinghouse Electric Company, specializing in chemical cleaning, chemical decontamination, and related chemical and waste processing services for the nuclear industry. PN Services originally was formed in May 1983 as the PN Services division of Pacific Nuclear. In January 1992, Pacific Nuclear was renamed VECTRA Technologies and the PN Services division became the Plant Services Group of VECTRA. On June 30, 1995, the Plant Services Group was acquired by Westinghouse. This acquisition merged the chemical decontamination and chemical cleaning capabilities of Westinghouse and VECTRA Plant Services Group into a single company, PN Services. The company has an executive engineering office, service facility, and chemical laboratory in Richland, and a sales office and service facility in Spartanburg, South Carolina. The company is not under the 'common control' of DOE.

- **Environmental and Molecular Science Laboratory**

The Environmental and Molecular Sciences Laboratory (EMSL) is a DOE Office of Science (SC) national scientific user facility and research laboratory operated by Battelle Pacific Northwest in Richland, Washington. EMSL activities fall under the 87 major industrial grouping code, which is not the same as activities on the Hanford Site that are within the AOP. More than 60% of the 122 million annual budget is currently funded by DOE-SC, and only 6% is in support of Hanford Site related activities. The remainder is funded by private sources. EMSL is located on the DOE Office of Science Site and is under the control of the Office of Science. The SC site is not on the Hanford Site. It is bounded on the West by Stevens Drive, on the east by George Washington Way, and on the south by Horn Rapids Road, but also includes the EMSL property south of Horn Rapids Road.

- **Oasis Physical Therapy located at the Stevens Center**

This facility provides a service for workers of Hanford contractors and to the general public, does not supply any DOE related services, and is not under the 'common control' of DOE.

- **Montessori School located at the Stevens Center**

This facility is a school for the general public, does not supply any DOE related services, and is not under the 'common control' of DOE.

- **Corporate Health Facility located at the Stevens Center**

This facility provides a service for workers of Hanford contractors and to the general public, does not supply any DOE related services, and is not under the 'common control' of DOE.

- **Bulk Vitrification Testing Facility located across from Hammer in Richland**

A research and test demonstration facility was built by a contractor in pursuit of obtaining full approval a method to treat low activity waste at the Hanford site. The facility was permitted by BCAA and is under its jurisdiction because the work was outside of the Hanford site. The test demonstrations facility is near the southern boundary of the Hanford Site across from Hammer. The facility does not supply any USDOE related services, and is not under the 'common control' of DOE.

- **Non-road engines**, as defined under WAC 173-400-030(55) as a general insignificant emission unit category supporting Hanford Site operations, but not subject to WAC 173-401 inclusion.

Regulations promulgated under statutory authority other than the FCAA [e.g., *Resource Conservation and Recovery Act (RCRA) of 1976* and *Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980*] are not Title V applicable requirements and are not included in this AOP. Therefore, portions of emission units already in compliance with Subparts AA, BB, and CC of 40 Code of Federal Regulations (CFR) 264 and 265 are exempt from CAA requirements. In addition, actions taken pursuant to CERCLA are exempt from permitting and other administrative requirements. The CERCLA/CAA integration is described later in Section 5.0.

### 3.0 STANDARD TERMS AND CONDITIONS

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All emission units within the Hanford Site AOP shall comply with all standard terms and conditions in WAC 173-401-620(2). The standard terms and conditions are applicable to all Chapter 401 (WAC 173-401) sources, including insignificant emission units, in the State of Washington.

**Subsection 3.3** on *Permit Actions* describes the conditions for a permit modification. The AOP modification process and permit change determination key is documented in Appendix D of this Basis.

**Subsection 3.5** on *Duty to Provide Information* ensures that the records to demonstrate compliance are available within a reasonable time. Reasonable time for most records that are kept at an emission unit should be available within 24 to 48 hours, while records maintained at central repository at the Hanford Site or within a contractor's record management system should be made available upon a written request from the agency with a deadline listed based on volume, age and type of record requested, (electronic versus hard copies).

The permittee shall provide requested classified documents to representatives of Ecology, Health or BCAA who have the appropriate security clearance and a demonstrable need to know. The records will be processed through the clearance process established by DOE and submitted to the agency within a reasonable time after they are cleared.

**Subsection 3.10** on *Permit Continuation* describes the condition for AOP continuation in case that the renewed AOP has not been issued on or before the expiration date. All terms and conditions of the existing AOP, including any permit shield provided under WAC 173-401-640, shall not expire until renewal permit has been issued if a timely and complete application has been submitted. An application shield granted pursuant to WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued if a timely and complete application has been submitted.

A timely and complete application for the first renewal of the AOP was submitted and accepted by the agencies in December 2005, therefore the application shield was granted and the Hanford Site can continue operations under the existing AOP until the new permit is issued and approved pursuant to WAC 173-401-710.

**Subsection 3.11** on *Certification* describes the requirements for any, form, application, notice, report, or compliance certification required under chapter 70.94 or 70.120 RCW, or any ordinance, resolution, regulations, permit, or order in force pursuant thereto. The permittee should not tamper, make false statements, and ensure truth, accuracy and completeness in every document submitted to the regulatory agencies that has a regulation applicable under this permit.

Approval orders applicable to activities will end at activity completion, as described in the notice of construction (NOC) application. The permittee is not required to continue to comply with approval order terms and conditions after these become irrelevant. Examples are initial testing requirements and completed and closed NOCs and emission units. Appendix A lists Ecology

Completed or closed NOC Approvals, Terms and Conditions or Emission Units, Appendix B lists Health Obsolete NOC Approvals or Licenses, and Appendix C lists Health Obsolete or Closed Emission Units.



## 4.0 GENERAL CONDITIONS

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General conditions (including monitoring, compliance inspection, recordkeeping and reporting requirements) are applicable to all emission units in the Hanford Site AOP.

**Subsection 4.1** on *Permit Renewal and Conditions* describes the obligations of the permitting agencies and the permittee. The DOE submitted AOP renewal application on October 28, 2005, with supplemental submittals of the Diffuse and Fugitive report on November 28, 2005, and the Insignificant Emission Units report on December 20, 2005. The application is deemed complete according to the criteria in WAC 173-401-500. This renewal application is submitted more than 6 months before the date of AOP expiration on July 1, 2006, and hence regarded as timely application. The permittee's rights to operational continuity and permit shield are described in WAC 173-401-620 and -640.

This AOP renewal will cover the 5 year period from January 1, 2007, to December 31, 2011. The next renewal application will be submitted by DOE no later than 6 months from the AOP expiration date. The "complete" renewal application shall outline the information required for the three agencies (Ecology, Health, and BCAA) to update their respective attachments.

**Subsection 4.2** on *Transfer of Ownership or Operation* describes DOE, not the contractors, as the owner and operator of the Hanford Site; therefore, any change to contractors that occur to contracting process under DOE review and approval does not constitute a change required to modify the AOP.

**Subsection 4.3.3** on *Semiannual Report* describes the semiannual report content and required data to be submitted every six months. The semiannual report will not include IEUs for Ecology and will not include Diffuse and Fugitive minor emission units and ALARACTs for Health. The reporting of Diffuse and Fugitive minor emission units in the annual NESHAPS report will ensure adequate compliance to the specific terms and conditions and the Standards Terms and Conditions applicable to emission generation for these types of emission units. In addition to these diffuse and fugitive emission units, it is understood per agreement with Health that the "Emission Unit Information" section of emission units listed in the Health License will not be required to be certified under the annual compliance certification.

Health has consolidated the Hanford Site radiological Licenses into a single License as such the revision process to the License should be the only requirement to report on for semiannual reports. As such, each license revision letter number will be listed in the semiannual reports, along with any notice of construction approvals issued by either Ecology or Health.

For all approvals, License activities, and emission units that are closed and considered irrelevant and the applicable AOP modification is submitted to the agency under Section 4.12 the permittee is not required to report.

**Subsection 4.3.4** on *Annual Compliance Certification* describes the annual compliance certification content and required data to be submitted every year for the previous year's operations of the emission units listed in the AOP. The annual compliance certification will not

include IEUs for Ecology and will not include Diffuse and Fugitive minor emission units and ALARACTs for Health. The reporting of Diffuse and Fugitive minor emission units in the annual NESHAPS report will ensure adequate compliance to the specific terms and conditions and the Standards Terms and Conditions applicable to emission generation for these types of emission units. In addition to these diffuse and fugitive emission units, it is understood per agreement with Health that the “Emission Unit Information” section of emission units listed in the Health License will not be required to be certified under the annual compliance certification.

For all approvals, License activities, and emission units that are closed and considered irrelevant and the applicable AOP modification is submitted to the agency under Section 4.12 the permittee is not required to include in the annual compliance certification.

**Subsection 4.12** on *Approval Order Terms and Conditions that Become Irrelevant during the Term of this Permit* describes actions that the permittee may take when an emission unit, condition, term, limit or other requirement not related to monitoring or recordkeeping becomes irrelevant during the term of the AOP.

Approval orders/License applicable to activities will end at activity completion, as described in the NOC application. The permittee is not required to continue to comply with approval order terms and conditions after they become irrelevant. For example, many approval orders contain the requirement to conduct an initial, one time only, startup test. Once that initial startup test requirement has been satisfactorily completed, that condition is deemed irrelevant, and the permittee is no longer bound by that particular requirement. An approval or license activity that is closed pursuant to the agency’s regulations is considered irrelevant. In addition, the permittee may remove the approval order or license activity and associated terms and conditions from the AOP by submitting a change not requiring a permit revision AOP modification to the applicable agency and Ecology.

**Subsection 4.13** on *Monitoring and Associated Recordkeeping for Emission Units without Continuous Operation* describes the process for ensuring the monitoring and associated recordkeeping for any emission unit if the emission unit did not operate at any time between required monitoring events (e.g., if the monitoring requires continuous sampling or recording pressure drop daily, such readings would not be required on any full day in which the emission unit did not operate).

For all approvals, license activities, and emission units that are closed and considered irrelevant and the applicable AOP modification is submitted to the agency under Section 4.12 the permittee is not required to conduct the monitoring and associated recordkeeping.

## 5.0 PERMIT SHIELD

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The Part 70 (i.e., 40 CFR 70) permit shields the liability of an owner or operator of a source for approved operating conditions if the certified permit applications were true and accurate. Nothing in any Part 70 permit shall alter or affect the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance. [40 CFR 70.6(f)(3)(ii)].

The 1997 EPA Guidance [EPA Guidance on Title V Permit Shield Implementation, 4APT-ARB May 23, 1997, by EPA-4 Air & Radiation Technology Branch Chief R. Douglas Neeley] summarized EPA's position on the appropriate implementation of the Title V permit shield. The State of Washington maintains the same position as indicated in WAC 173-401-640 regarding applicable requirements, inapplicable requirements, omissions and exclusions.

A source seeking a determination of non-applicability for new source review (NSR) requirements to a particular change would need to provide the permit authority with detailed information regarding that change. The inapplicable requirements are identified in Table 5.1 of the AOP. Before the permit shield can extend to requirements that are not imposed on the source in the permit, the permit authority must specifically determine, based on information provided by the source in the permit application, that such other requirements do not apply to the source. A request to extend the permit shield to requirements deemed inapplicable to the source may be made either in the original permit application or in an application for a permit modification.

Regulations promulgated under statutory authority other than the FCAA [e.g., *Resource Conservation and Recovery Act (RCRA) of 1976* and *Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980*] are not Title V applicable requirements and are not included in this AOP, e.g., Subparts AA, BB, and CC of 40 Code of Federal Regulations (CFR) 264 and 265. In addition, actions taken pursuant to CERCLA, after proper documentation and verification of removal and remediation activities, are exempt from clean air permitting requirements. There are two key considerations to satisfy in the transition process: (1) proper public notice and review, and (2) no lapse from CAA permitting requirements to onset of CERCLA activities. The process to implement the CERCLA transition through application of Notice of Transition (NOT) from CAA to CERCLA is described below.

To initiate the CERCLA transition of a facility or an activity, DOE must prepare an EE/CA (Engineering Evaluation/Cost Analysis) for stakeholders and public review. The transition from CAA approvals to CERCLA shall be addressed in the EE/CA document for public review. If not, a separate public notice and review for AOP transition is required.

After EE/CA is successfully reviewed and approved, DOE will prepare a Remedial Action Work Plan (RCWP) for each facility (or activity) under CERCLA transition. The Air Monitoring Plan (AMP) is an integral part of the RCWP. Concurrently, DOE shall submit a Notice of Transition (NOT) from CAA to CERCLA to request ceasing CAA permits/certifications and starting CERCLA remediation and monitoring activities. With the approval of the NOT, AOP permitting conditions will become obsolete at the onset of CERCLA remediation activity in the field. At that time, the permittee is no longer required to certify to AOP requirements. Ecology will

revise the AOP to reflect the facility transition to CERCLA status.

The following process delineates the steps to remove AOP permitting conditions/certifications for facilities or activities under CERCLA transition:

- Permittee will prepare Engineering Evaluation/Cost Analysis (EE/CA) or equivalent CERCLA documentation for a facility (or activity) identified for CERCLA transition. This document shall be reviewed by regulators, stakeholders, and the public.
- This document will clearly identify general CAA requirements to be transitioned to CERCLA. In consistent with WAC 173-401-800 requirement, the public review period shall be a minimum of 30 days with proper notification on the AOP Permit Register and local newspaper. The notice on the AOP permit register will state that the facility's air permits will be discontinued upon onset of remediation activity in the field.
- After the EE/CA or equivalent is approved, permittee will prepare a RAWP or equivalent ARAR implementation document, such as an Air Monitoring Plan (AMP) to identify method to meet the substantive portions of existing air permit conditions, and describe the transition plan for CERCLA air monitoring. EPA, Ecology, and Health will review the ARAR implementation document, as directed by the lead agency.
- Concurrently, permittee will submit to Ecology, Health and/or EPA an NOT (from CAA to CERCLA) for review and approval. The NOT shall reference the CERCLA authority documentation, identify any/all documentation of agency air approvals (EPA/Health/Ecology) in place prior to and after CERCLA transition.
- Ecology/Health/EPA will review the NOT. If the NOT is contested by an agency, an issue resolution process will be initiated between the lead agency and the lead regulatory agency. For actions not contested, the effective date (not the approval date) will coincide with the onset of the CERCLA remediation activity in the field. The facility's air permits can be discontinued after the effective date of the NOT.
- Via formal correspondence, permittee will notify affected agencies of date to begin remediation activity. It is important to notify Ecology and/or Health that physical fieldwork of the CERCLA action has commenced. Upon receiving the notice of fieldwork commencement, Ecology will then notify the public that the previously applicable permits, licenses, NOC and AOP requirements have now been supplanted by the ARAR implementation document (e.g., RAWP and AMP). Permittee is no longer required to certify to AOP requirements after the onset of the actual D&D activity.
- Ecology and Health will delete the affected licenses/NOCs from the enforceable list, and remove permitting conditions from the AOP as an administrative modification at the next significant modification.
- The CAA transition to CERCLA process is deemed complete at this point.

**Subsection 5.1** on *Applicable Requirements* describes how compliance with the terms and conditions of the AOP is deemed compliant with the applicable requirements on which that condition is based as the date of the AOP issuance.

WAC 173-401-530 establishes several criteria for determining if an emission unit is insignificant. The Hanford Site AOP Application (DOE/RL-97-07) contains a list of IEUs. WAC 173-401 defines how lists should be maintained during the application phase and following permit issuance. The applicant is required to amend their application if an IEU, based on actual emissions, subsequently will exceed an actual emission threshold, and the IEU must be listed in the AOP. This requirement extends until the draft permit is issued. The AOP regulations do not require that each IEU be listed in the AOP. Following AOP issuance, no emission unit that qualifies as an IEU based on actual emissions can exceed the emission thresholds in WAC 173-401 without first obtaining a permit modification.

Attachment 1 of AOP, Table 1.6, “Emission Limits and Periodic Monitoring Requirements for Emission Units With NOC Approval Conditions”, includes only the emission limits and conditions identified in the “Approval Conditions” section of the regulatory orders. Information included in other sections of the orders, such as “Findings”, “Background”, “Description”, or similarly titled sections are not included in Table 1.6. Table 1.6 is intended to capture the periodic monitoring, emission limit and other approval conditions for all emission units with NOC approval orders. However, Table 1.6 does not list all conditions included in the approval order as “Approval Conditions.” Most of the excluded conditions have been captured elsewhere in the AOP as applicable requirements. The categories of excluded approval conditions include the following:

- Conditions and requirements addressed in Section 3.0, Standard Terms and Conditions, of the Hanford Site AOP
- Conditions and requirements addressed in Section 4.0, General Requirements, of the Hanford Site AOP, such as the condition to send reports to the Ecology office or the requirement to allow access to the facility for inspection
- Conditions and requirements that re-state portions of applicable codified regulations
- The requirement to prepare and maintain an Operation and Maintenance Manual

**Subsection 5.2** on *Inapplicable Requirements* describes how some requirements are not subject to certain requirements. Inapplicable requirements at the time of AOP issuance are shown in Table 5-1.

Acceptable source impact levels (ASILs) as defined in WAC 173-460, “Controls For New Sources of Toxic Air Pollutants”, are not emission standards or limitations applicable to the Hanford Site. ASILs are a concentration of a toxic air pollutant in the outdoor atmosphere used to evaluate the air quality impact of a new or modified toxic air pollutant emission source for new source review purposes.

An approval to construct the WSCF was submitted to Ecology. In a letter dated September 17, 1990, Ecology concurred with the determination that radioactive emissions from the proposed WSCF would be offset by decreased emissions from 200-C Plant, Strontium Semi-Works, which ceased operation in July of 1987. It further was determined that the proposed WSCF would not increase radionuclide emissions on the Hanford Site, and therefore was not subject to prevention of significant deterioration (PSD) review (40 CFR 52). This approval to construct pre-dated the effective date of both WAC 173-460 (“Controls for New Sources of Toxic Air Pollutants”,

effective 06/18/91) and WAC 246-247 (“Radiation Protection Air Emissions”, effective 01/31/91), and imposed no terms or conditions. For this reason, the September 17, 1990 approval from Ecology is not considered an AOP applicable requirement and therefore is not listed in the AOP.

Subpart AA of 40 CFR Part 264 and 265 applies to process vents that treat organic waste using designated treatment technologies. Subpart AA requires organic emissions from all affected process vents on the Hanford Site be less than 1.4 kilograms per hour and 2.8 megagrams per year, or control devices must be installed to reduce organic emissions by 95%. Currently the 200 Area Effluent Treatment Facility (ETF) and the 242-A Evaporator are operating treatment, storage, or disposal (TSD) units contributing to the Hanford Facility volatile organic emissions under 40 CFR 264 and 265, Subpart AA. For process vents emitting organic toxic air pollutants (TAPs) currently regulated under NOCs and RCRA Subpart AA, Ecology is deferring regulation of the organic emissions from process vents to RCRA, Subpart AA.

## **ATTACHMENTS**

### **Attachment 1: Ecology Permit**

The permittee is authorized to operate the non-radioactive portion of the air emission units identified in this attachment and all insignificant emission units not specifically identified in this permit.

### **Attachment 2: Health Permit**

The permittee is authorized to operate the radioactive portion of the air emission units identified in this attachment.

### **Attachment 3: Benton Clean Air Authority Permit**

The permittee is authorized to operate the air emission units identified as open burning and asbestos-related activities. Because these requirements could be triggered at various places on the Hanford Site major stationary source, the emission units are not listed individually in the air operating permit.

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## **APPENDIX A**

### **Ecology Completed or Closed NOC Approvals, Terms and Conditions or Emission Units**

Discharge Point	NOC or Point Type	Approval or Discharge Point	Actions
200 P-296P032-001	Rotary Mode Core Sampling System (RMCS) #2	NOC-93-04	Obsolete NOC
200 P-296P032-001	Rotary Mode Core Sampling System (RMCS) #2	Letter	Obsolete NOC
200 P-296P033-001 & 200 P-296P034-001	Rotary Mode Core Sampling System (RMCS) 3 & 4 and Modification2	NWP95-RMCS(3)	Obsolete NOC
200E C-106 Sluicing	241-C-106 Tank Sluicing, Phase II	97NM-001	(Obsolete) 50 ppm measured as total organic carbon
200E P-296A042-001	241-AZ-101 Tank Waste Retrieval and 241-AY/241-AZ Tank Farms Ventilation Upgrades, Project W-151 and Project W-030	NOC 94-07	Obsolete. VOCs 0.001 lb/hour.
200E P-296C007-001	C-103 Ventilation Upgrades	NWP 95-TK C-103	Obsolete NOC.
200E P-296C007-001	C-103 Ventilation Upgrades, Approval for Alternate Sampling and Analysis method.	NWP 95-TK C-103 Modification	Obsolete NOC.
200 P-296P034-001	Rotary Mode Core Sampling System (RMCS) 3 & 4 and Modification2	NWP95-RMCS(3)	Obsolete NOC
200E P-296P041-001	241-A-101 Tank Portable Exhauster		Obsolete NOC
200W P-296S021 001	222s Hot Cell Expansion	Letter	Conducted actual tests on the existing units to prove xylene, toluene, and ethanol air emissions are below detection
200W P-296P028 001	Backup Exhauster for 200W P-296SY 001	Discharge point	Removed from AOP because the unit is non-operational.
200W P-296SX 001	SX Farm (Exhauster)	Discharge point	Remove because the discharge point is inactive because saltwell pumping activities are complete for SX Farm, and waste retrieval activities will be completed using portable exhausters.
200 P-296P033-001 & 200 P-296P034-001	Rotary Mode Core Sampling System (RMCS) 3 & 4 and Modification2	DE98NWP-005	Closed NOC
200W P-296S021 001	222s Hot Cell Expansion	Letter	Remove from AOP because actions have been completed.

<b>Discharge Point</b>	<b>NOC or Point Type</b>	<b>Approval or Discharge Point</b>	<b>Actions</b>
W-PORTEX 020, 024, and 025	Portable Exhausters	DE98NWP-006	Closed NOC
200E P-244CR 001 (CR Vault)	Exhauster	Discharge Point	Facility exhauster has been isolated and is inactive.

The NOC or the approval conditions identified in the following have been completed.

Emission Point	Process	Permit	Conditions
100 J-NONPOINT 006	100-N Emergency Dump Basin	NWP 95-1300N EDB	Obsolete NOC
100K Cold Vac. Drying	Cold Vacuum Drying - Phase I	96NM-091	Obsolete NOC
100N S-RCF-EX 001	Environmental Analytical Lab (EAL)	NWP 95(8)-100N/EAL	Obsolete NOC
200 P-296P032-001	Rotary Mode Core Sampling (RMCS) System #2	NOC-93-04	Obsolete NOC
200 P-296P032-001	Rotary Mode Core Sampling (RMCS) Systems #2	Letter	Obsolete NOC
200 P-296P033-001& P-296P034-001	Rotary Mode Core Sampling (RMCS) Systems 3 & 4 and Modification to 2	NWP 95-RMCS(3)	Obsolete NOC
200E C-106 Sluicing	241-C-106 Tank Sluicing, Phase II	97NM-001	(obsolete) VOC 50 ppm measured as total organic carbon
200E Hot Cond. Annex	Hot Conditioning Annex	96NM-092	Obsolete NOC
200E P-2025E ETF	Effluent Treatment Facility (ETF) (2025 E), Approval of NOC Application for Nonradioactive Air Emissions	NOC-93-3	Obsolete. VOCs now regulated under RCRA Subpart AA) VOC emissions from stream number G6 shall not exceed 0.50 gram per minute. VOC emissions of the G6 stream shall also not exceed 0.55 gram per cubic meter at standard conditions. Compliance shall be determined by computing the arithmetic mean of three one-hour periods using EPA Reference Method 25A or Method 18 as described in 40 CFR Part 60 dated July 1, 1992.

200E P-2025E ETF	Effluent Treatment Facility (ETF) (2025 E), Approval of NOC Application for Nonradioactive Air Emissions	NOC-93-3	Obsolete. Within 180 days of start-up of the facility, Energy shall conduct performance tests for VOC at the location G6. Based on the initial results of the performance tests, the department may require Energy to conduct a periodic performance test for these pollutants. Testing must be performed by an independent testing firm, and results must be reported to the department within 60 days after the test completion. Energy shall submit a test plan for the department's approval at least 45 days before the testing. Testing shall occur only after the department approves the plan. Energy shall notify the department at least 7 days before each test date.
200E P-2025E ETF	Effluent Treatment Facility (ETF) (2025 E), Approval of NOC Application for Nonradioactive Air Emissions	NOC-93-3	Opacity from each stack shall not exceed 5 percent as measured by EPA Reference Method 9 as described in 40 CFR Part 60, Appendix A, dated July 1, 1992.
200E P-2025E ETF	Effluent Treatment Facility (ETF) (2025 E), Approval of NOC Application for Nonradioactive Air Emissions	NOC-93-3	Obsolete. This final approval shall become void if construction of this unit is not commenced within eighteen (18) months after issuance of this final approval, or if construction or operation of these units is discontinued for eighteen (18) consecutive months.
200E P-296A042-001	241-AZ-101 Tank Waste Retrieval and 241-AZ/241-AZ Tank Farms Ventilation Upgrades, Project W-151 and Project W-030	NOC 94-07	Obsolete. VOCs 0.001 lb/hour.
200E P-296C007-001	C-103 Ventilation Upgrades	NWP 95-TK C-103	Obsolete NOC.
200E P-296C007-001	C-103 Ventilation Upgrades, Approval for Alternate Sampling and Analysis Method.	NWP 95-TK C-103 Modification	Obsolete NOC.
200E P-296P034-001	Rotary Mode Core Sampling (RMCS) Systems 3 & 4 and Modification to 2	NWP 95-RMCS(3)	Obsolete NOC.
200E P-296P041-001	241-A-101 Tank portable exhausters		Obsolete NOC.

Emission Point	Project	Permit No.	Comments
200W P-296S021 001	222S Hot Cell Expansion	Letter	Conduct actual tests on the existing units to prove xylene, toluene, and ethanol air emissions are below detection
200W F-284WB 001	Backup Package Boiler	NOC-94-06	Obsolete NOC
200W F-284WB 001	Backup Package Boiler	NOC-94-06A	Obsolete NOC
200W P-WRAP1 001	Waste Receiving and Processing (WRAP Facility)	NOC 93-05	After start-up of the facility, RL shall conduct performance tests for VOCs. After these tests, Ecology may require RL to conduct an annual test(s) for those pollutants.
200W P-WRAP1 001	Waste Receiving and Processing (WRAP Facility)	NOC 93-05	After start-up of the facility, RL shall conduct performance tests for particulates. After these tests, Ecology may require RL to conduct an annual test(s) for those pollutants.
200W P-WRAP1 001	Waste Receiving and Processing (WRAP Facility)	NOC 93-05	Opacity 5 %
200W P-WRAP1 001	Waste Receiving and Processing (WRAP Facility)	NOC 93-05, Revision Approval	(obsolete, not a requirement as only mentioned in a letter) RL shall notify Ecology at least 14 days prior to initial processing of retrieved waste at WRAP.
300 300 Area Fuel Supply	300 Area Fuel Supply Shutdown Facilities, Building 303F and 334A	DE 98NWP-001	Obsolete NOC.
300 EP-3020-02-S through -06-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Obsolete 1-5-1999/complete. The emission limits for ammonia and VOC are 0.01 and 0.24 pound per hour, respectively, from the sum of the five chemical stacks. Energy shall demonstrate initial compliance for ammonia and VOC through source tests conducted not later than 180 days after start-up of the laboratory. EPA Reference Methods shall be followed for testing. A test plan will be submitted for Ecology's approval at least 30 days prior to the testing. Ecology shall be invited to participate in these test activities at least one week before the tests. If the concentration is too low to detect, compliance through mass balance will be accepted.

300 EP-3020-07-S through -11-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Obsolete 6-9-2000. Energy shall use good combustion practice for boilers operation by optimizing excess air variations to ensure that gas-fired boilers operate at 15 percent excess air or 3 percent excess oxygen in the flue gas. Per Ecology's request, Energy shall demonstrate the effectiveness of GCP to Ecology during normal operation of the boilers.
300 EP-3020-01-S through -12-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Obsolete 6-9-2000. Operating and maintenance manuals for all equipment that has the potential to affect emissions to the atmosphere shall be developed and followed. Copies of the manuals shall be available to Ecology.
300 EP-3020-02-S through -06-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Complete. Energy shall submit normal emissions and revised maximum emissions for all TAP released from each of five chemical stacks to Ecology within 15 months after the EMSL starting operation.
300 EP-3020-01-S through -12-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Complete. Energy shall notify Ecology in writing at least 30 days before operational start-up of these proposed air emission control systems.
300 EP-3020-01-S through -12-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08 (Effective: 9-13-1994)	Obsolete 6-9-2000. Environmental Molecular Sciences Laboratory (EMSL) research projects, supporting operations, and building equipment additions and changes including control systems, can be made to accommodate changing research and support requirements. These changes can be made without filing a Notice of Construction.
300 EP-306W-03-V	Operation of Material Development Laboratory and Catalytic Electrochemical Oxidation Unit (CEO)	DE 98NWP-002	Obsolete NOC.
300 EP-324-01-S	324 Building Modification	NWP 95-300/324 Lab	Obsolete NOC.
300 EP-324-01-S	Operation of a Plasma Arc Furnace in the 324 Building	NWP-96-2	Obsolete NOC.

Supplement 1 of the Hanford Site AOP Application, DOE/RL-95-07, contains one emission unit that is not included in the proposed Hanford Site AOP, NWP-AOP-99-1. That unit is 300-EP-306W-03-V.

Facility	Facility	Permit No.	Comments
300 EP-325-01-S	325 Hazardous Waste Treatment Unit (HWTU)	DE 98NWP-004	Condition completed 10/17/01. General Testing Requirements: Perform initial source test for Volatile Organic Compounds (VOCs). DOE-RL shall demonstrate initial compliance for Volatile Organic Compounds (VOC) through source tests conducted no later than 180 days after start-up of the proposed HWTU/SAL activities. EPA Reference Method 25A shall be followed for testing, the test plan shall be submitted to Ecology upon request. After source tests are completed, mass balance calculations will be accepted for compliance purposes.
300 EP-3020-01-S through -12-S	Environmental Molecular Sciences Lab (EMSL)	NOC 94-08	Obsolete 9-10-2003. Replaced by DE03NWP-003.
Fossil Fuel Fired Steam Generating Units	ESPC Boilers	97NM-138	Initial source testing was partially completed. First 5 year retesting completed in August, 2003.



## **APPENDIX B**

### **Health Obsolete NOC Approvals or Licenses**

WDOH has been provided comments under the FF-01 license comments on the latest list. WDOH has decided to only include NOCs that were obsolete for the time period representing the original time period of July 2001 through present time. Ecology needs to contact WDOH to obtain a word or electronic version since their review consisted of PDF files only.

## **APPENDIX C**

### **Health Obsolete or Closed Emission Units**

WDOH has been provided comments under the FF-01 license comments on the latest list. WDOH has decided to only include NOCs that were obsolete for the time period representing the original time period of July 2001 through present time. Ecology needs to contact WDOH to obtain a word or electronic version since their review consisted of PDF files only.

## **APPENDIX D**

### **AOP Modification Process**

Attached is a copy of the AOP Change Determination Key for all AOP modifications allowed in WAC 173-401.

## **AOP CHANGE DETERMINATION KEY**

(Select the correct form and follow the processes described for each type of modification or revision to the Hanford Site AOP. These forms and process are not to be used for any type of NOC approval or License revisions submitted to the agencies.)

This AOP change determination key is revised at the time of renewal to provide a streamlined reflection of the codified requirements for administrative changes to WAC 173-401 major stationary sources. Forms, decisions points, and processes described herein, including appropriate verbatim language from the regulation, are intended to supersede all previous internal DOE/Contractor guidance for processing AOP modifications at the Hanford Site pursuant to AOP #00-05-006, Renewal 1.

Each of WAC 173-401 permit modifications and revisions have been listed in a format that provides the requirements, then a method to be used to determine if a modification or revision should or should not be used, followed by the form that should be completed, and the responsibilities of the permittee and the agency. It should be noted that although this document deals with permit modifications and revisions there is an association with the NOC approval and Licenses revision process that the user should be aware of and hopefully in the future would be integrated with this document.

## **Content**

ADMINISTRATIVE PERMIT AMENDMENT (AA) PROCESS (WAC 173-401-720) .....	40
CHANGES NOT REQUIRING A PERMIT REVISION (CNRR) PROCESS (WAC 173-401-722) .....	43
OFF-PERMIT CHANGE PROCESS (OPC) (WAC 173-401-724) .....	46
MINOR PERMIT MODIFICATION (MM) PROCESS (WAC 173-401-725(2)) .....	49
GROUP PROCESSING OF MMs DISCUSSION [WAC 173-401-725(3)] .....	52
SIGNIFICANT MODIFICATION (SM) PROCESS (WAC 173-401-725(4)) .....	57

## **Forms**

Notification of Administrative Permit Amendment .....	42
Notification of Changes Not Requiring Permit Revision .....	45
Notification of Off-Permit Change .....	48
Minor Permit Modifications Request .....	54
Group Processing of Minor Permit Modifications Request .....	55
Notification of Permit Modification request to the U.S. Environmental Protection Agency, Region 10, the Tribes, and Affected States .....	56
Significant Permit Modification Request .....	58
Notification of Permit Modification Request to the U.S. Environmental Protection Agency, Region 10, the Tribes, and Affected States .....	59

## ADMINISTRATIVE PERMIT AMENDMENT (AA) PROCESS (WAC 173-401-720)

This change is allowed pursuant to WAC 173-401-720(1) and WAC 173-401-720(2):

1) Definition. An “administrative permit amendment” is a permit revision that:

- (a) Corrects typographical errors,
  - (b) Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source,
  - (c) Requires more frequent monitoring or reporting by the permittee,
  - (d) Allows for a change in ownership or operational control of a source where the permitting authority determines that no other change is necessary, provided that a written agreement containing the specific information of the transfer between the current and new permittee has been submitted to the permitting authority,
  - (e) Incorporates into the chapter 401 permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program; provided that such a program meets procedural requirements substantially equivalent to the requirements of WAC 173-401-700, 173-401-725, and 173-402-800 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in WAC 173-401-600 through 173-401-650.
- 2) Acid Rain provisions. [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

### Method

[Note: It is possible an AA maybe used for something not listed below, check with the site contractor responsible for the AOP.]

Using the requirements listed above in the box, an AA for the Hanford Site AOP would be developed and submitted for any of the following:

- Correct typographical errors to any section, requirement, term, definition, conditions, standard, abatement, monitoring, statement of basis, etc.
- Change of DOE personnel/POCs, contractors, name of business, agency POCs, etc.
- Change increases the frequency of monitoring and/or reporting for an emission unit. This increase could be a change to a program or a particular emission unit procedure, etc.
- Change of ownership and operation of emission units currently listed in the AOP under the applicable DOE Offices: Richland, Office of River Protection, and Office of Science.
- If a NOC approval and/or Licenses is processed through public review(EPA-approved) that meets substantially procedural and compliance requirements of cited requirements in WAC 173-401-720(1)(e) as part of the agency approving process for the document, then the conditions and limitations for operating the emission unit may be incorporated into the AOP by an AA.

The AA is not used for making changes to the AOP statement of basis, NOC approvals or Licenses listed in the AOP, notifying the agency of changes to applicable requirements, decreasing the frequency of monitoring and/or reporting, change in contractor under DOE contracts, adding new NOC approvals or Licenses requirements that are not approved per procedural and compliance requirements.

Combining emission units under a single AA should be considered only if the change is the same for multiple emission units, i.e., abatement technology is missed spelled for more then one unit, or a condition and limitation listed for a project has a typographical error and is listed for multiple emission units. Otherwise it is preferred that separate forms are used for each identified error/change per emission unit.

***If this modification is not what is required to change the Hanford Site AOP, please review the following other types of modifications and revisions.***



## **Responsibilities**

### Hanford Site Actions

1. Develop the AA by emission unit by using the form following this section.
2. Seek consensus with the site contractor for the AOP prior to submittal of the request.
3. Submit an AA to the AOP via a letter to DOE and request DOE to submit the AA to the agencies.
4. On the submittal request, copy organizations that retain a copy of the AOP or request the lead agency to notify AOP holders per WAC 173-401-720(3)(a).
5. Permittee can make change immediately to the AOP on submittal of the request to Ecology and WDOH. [WAC 173-401-720(3)(c)]
6. Although not required by regulation, the permittee should retain a copy of the AA either in a record file or attach to the AOP for tracking incorporation into the AOP by the next modification.

### Agency Actions

1. Permitting authority (Ecology) shall take no more than 60 days from receipt of a request for an AA to take final action on such request, and may incorporate such changes without providing notice to the public or affected states provided that it designates any such AOP revisions as having been made pursuant to this paragraph [WAC 173-401-720(3)(a)]
2. Ecology will submit a copy of the revised AOP to the Administrator (EPA).
3. Ecology shall upon taking final action granting a request for an AA, allow coverage by the permit shield in WAC 173-401-640 for AAs made pursuant to subsection WAC 173-401-720(1)(e).
4. Notify other permit holders with copies of the AA.

## HANFORD SITE AIR OPERATING PERMIT

### Notification of Administrative Permit Amendment

This notification is provided to the Washington State Department of Ecology, Washington State Department of Health, and the U.S. Environmental Protection Agency as notice of an administrative permit amendment described as follows.

- This change is allowed pursuant to WAC 173-401-720(1) and WAC 173-401-720(2):
1. Corrects typographical errors,
  2. Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source,
  3. Requires more frequent monitoring or reporting by the permittee,
  4. Allows for a change in ownership or operational control of a source where the permitting authority determines that no other change is necessary, provided that a written agreement containing the specific information of the transfer between the current and new permittee has been submitted to the permitting authority,
  5. Incorporates into the chapter 401 permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program; provided that the program meets procedural requirements listed in WAC 173-401, and
  6. Changes addressed in the administrative permit amendment can be implemented immediately upon submittal.

### Permit Number: 00-05-006

Provide the following information pursuant to WAC-173-401-720:

<b>Description of the change:</b>	
<b>Submittal Date of Change:</b>	
<b>Describe the emissions from orders approving notice of construction applications processed under an EPA-approved program; provided that the program meets procedural requirements listed in WAC 173-401:</b>	
<b>List the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program; provided that the program meets procedural requirements listed in WAC 173-401:</b>	
<b>For Hanford Site Use Only:</b>	
<b>AOP Change Control Number:</b>	<b>Date:</b>

## CHANGES NOT REQUIRING A PERMIT REVISION (CNRR) PROCESS (WAC 173-401-722)

This change is allowed pursuant to WAC 173-401-722(1), WAC 173-401-722(2) and WAC 173-401-722(5):

### 1) General

(a) A chapter 401 source is authorized to make the changes described in this section without a permit revision, providing the following sections are met:

- (i) The proposed changes are not a Title I modifications;
- (ii) The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;
- (iii) The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and
- (iv) The facility provides the administrator and permitting authority with written notifications at least seven days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

(b) Permit attachments. The source and permitting authority shall attach each notice to their copy of the relevant permit.

(2) Section 502(b)(10) changes. Pursuant to the conditions in subsection (1) of this section, a chapter 401 source is authorized to make section 502(b)(10) changes (as defined in WAC 173-501-200) without a permit revision.

(a) For each such change, the written notification required under subsection (1)(a)(iv) of this section shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or conditions that is no longer applicable as a result of the change.

(b) The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.

(3) SIP authorized emission trading. [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

(4) Emissions cap. [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

(5) A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant.

### Method

[Note: It is possible a CNRR maybe used for something not listed below, check with the site contractor responsible for the AOP.]

Using the requirements listed above in the box, a CNRR for the Hanford Site AOP would be developed and submitted for any of the following:

- Changes that decrease emission rates or total emission for an emission unit or Hanford Site,
- Changes that remove irrelevant terms and conditions
- Changes that remove terms and conditions of either a closed emission unit or NOC approval or License section,
- Changes to abatement technology which do not impact the enforcement limitation of the permit to control emissions, such as but not limited to, adding new abatement, changing the required number of units, as long as the new condition is more stringent; clarifying additional descriptions, as long as the change does not change the actual field configuration and the change has no direct impact on emission; etc.
- A change under 502(b)(10) allows for any change that does not violate permit terms and conditions, therefore a change to conditions and limitations such as but not limited to: description, operations that are not associated with emission generation, flow rate, temperature, dimensions, equipment, etc, are acceptable under 502(b)(10).
- Changes to monitoring and sampling for individual emission units as long as the Hanford monitoring and sampling program is not changed and the change follows the site programs, i.e., a 4 week per year sampling is changed to a one 4 week sample per year condition. The method and equipment is not changed and compliance is still enforced.

- Adding changes to the WDOH License as long as the changes do not impact emission rates, or monitoring, recordkeeping, and other requirements, as listed above, this would include removing terms and conditions that have been approved via the license revision, NOC approval process or closure process and the changes does not require public comment.

The CNRR is not used for making a Title I (Standards of Performance for New Stationary Sources, Hazardous Air Pollutants, Prevention of Significant Deterioration, and Plan Requirements for Nonattainment Areas) modification is not allowed see WAC 173-401-100(35) for complete definition, change to increase either an emission rate or total emission listed for an emission unit or the Hanford Site, a change to alter terms or conditions of enforcement limitations of emission for an emission unit or the Hanford Site.

Combining emission units under a single CNRR should be considered only if the change is the same for multiple emission units, i.e., abatement technology needs to be changed for more then one unit, or a new approval is applicable or a condition and limitation listed for a project is irrelevant and is listed for multiple emission units. Otherwise it is preferred that separate forms are used for each identified change per emission unit.

A CNRR requires a seven day notification prior to implementing or making a change to the AOP, and the CNRR must be attached to the AOP following the affective date of the change. Any change made through the CNRR process is not covered by the AOP permit shield, therefore there is risk associated with the change to be challenged and new applicable requirements being amended to the AOP by a CNRR.

***If this revision is not what is required to change the Hanford Site AOP, please review the following other types of modifications and revisions.***

### **Responsibilities**

#### Hanford Site Actions

1. Develop the CNRR by emission unit by using the form following this section. The form, if filled out correctly and completely shall furnish the information required of a CNRR notification.
2. Seek consensus with the site contractor for the AOP prior to submittal of the request.
3. Submit a CNRR to the AOP via a letter to DOE and request DOE to submit the CNRR to the agencies.
4. On the submittal request, copy organizations that retain a copy of the AOP or request the lead agency to notify AOP holders.
5. Permittee can make change to the AOP seven days following submittal of the request to administrator (EPA) and permitting authority (Ecology). [WAC 173-401-722(1)(a)(iv)]
6. Attach each notice to the record copy of the relevant AOP.
7. Comply with applicable preconstruction review requirements for any CNRR.

#### Agency Actions

1. Review and concur (or deny) proposed changes prior to the implementation date, which is a minimum of seven days from the date of submittal. Ecology has agreed to a three working day approval of this type of AOP revision/modification.
2. Ecology will attach each notice to its copy of the relevant AOP
3. Notify other permit holders with copies of the CNRR.

**HANFORD SITE AIR OPERATING PERMIT****Notification of Changes Not Requiring Permit Revision****Section 502(b)(10) Change\***

This notification is provided to the Washington State Department of Ecology, Washington State Department of Health, and the U.S. Environmental Protection Agency as notice of a change not requiring permit revision described as follows.

This change is allowed pursuant to WAC 173-401-722(1), WAC 173-401-722(2) and WAC 173-401-722(5):

1. Change is not a Title I modification,
2. Change does not result in emissions that exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions,
3. Change does not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit,
4. Notification is provided to Ecology, WDOH, and EPA at least 7 days before making the change, and
5. Change does not violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.
6. A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant.

**Permit Number: 00-05-006**

Provide the following information pursuant to WAC-173-401-722(2)(a):

<b>Description of the change:</b>	
<b>Date of Change:</b>	
<b>Describe the emissions resulting from the change:</b>	
<b>List any permit term or condition that is no longer applicable as a result of the change:</b>	
<b>For Hanford Site Use Only:</b>	
<b>AOP Change Control Number:</b>	<b>Date:</b>

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\* WAC 173-401-200(30) states that "Section 502 (b)(10) changes" are changes that contravene an express permit term. Such changes do not include changes that would violate applicable requirements or contravene enforceable permit terms and conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements.

## OFF-PERMIT CHANGE PROCESS (OPC) (WAC 173-401-724)

This change is allowed pursuant to WAC 173-401-724(1), WAC 173-401-724(2), and WAC 173-401-724(6):

- (1) The source shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions, without requiring a permit revision provided that the proposed changes do not weaken the enforceability of the existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.
- (2) Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.
- (4) The change shall not qualify for the permit shield under WAC 173-401-640.
- (6) A source making a change under this section shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152.

### Method

[Note: It is possible an OPC maybe used for something not listed below, check with the site contractor responsible for the AOP.]

Using the requirements listed above in the box, an OPC for the Hanford Site AOP would be developed and submitted for any of the following:

- Changes that are similar to the type of emission units and terms and conditions listed in the AOP.
- Add new emission units and approvals/license requirements issued by the agencies. Most agency issued NOC approvals/Licenses are considered OPC.

The OPC is not used for changes that are specifically prohibited by the AOP and weaken the enforceability of existing terms, or Title I modification or is a change subject to acid rain requirements under Title V of the FCAA.

Combining emission units under a single OPC should be considered only if the change is the same for multiple emission units, i.e., abatement technology needs to be changed for more than one unit, or a new approval is applicable or need to be listed for multiple emission units. Otherwise it is preferred that separate forms are used for each identified error/change per emission unit.

The source shall be allowed to makes changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the Any change made through the OPC process is not covered by the AOP permit shield, therefore there is risk associated with the change to be challenged and new applicable requirements being amended to the AOP by an OPC.

***If this revision is not what is required to change the Hanford Site AOP, please review the following other types of modifications and revisions.***

### Responsibilities

#### Hanford Site Actions

1. Develop the OPC by emission unit by using the form following this section. The form, if filled out correctly and completely shall furnish the information required of an OPC notification. In addition, a NOC/License revision, or new source permit application, or can be used or attached to the OPC as a mechanism to complete the form.
2. Seek consensus with the site contractor for the AOP prior to submittal of the request.
3. Submit an OPC to the AOP via a letter to DOE and request DOE to submit the OPC to the agencies.

4. On the submittal request, copy organizations that retain a copy of the AOP or request the lead agency to notify AOP holders.
5. Permittee can make the change to the AOP following submittal of the request to administrator (EPA) and permitting authority (Ecology). [WAC 173-401-724(1)]
6. Keep records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the AOP, and the emissions resulting from those changes.
7. Comply with applicable preconstruction review requirements for any OPC.
8. Although the permittee can make change immediately upon submittal of the request to Ecology and EPA, and, as appropriate, WDOH, final changes are to be implemented after agency review/concurrence

Agency actions

1. Review and concur (or deny) proposed changes upon receipt of submittal. Ecology has agreed to a three working day approval of this type of AOP revision/modification.
2. Notify other permit holders with copies of the OPC.
3. Changes will be incorporated into the AOP at the next AOP revision/modification subject to public review.

**Notification of Off-Permit Change****Permit Number: 00-05-006**

This notification is provided to Washington State Department of Ecology, Washington State Department of Health, and the U.S. Environmental Protection Agency as a notice of an off-permit change described as follows.

This change is allowed pursuant to WAC 173-401-724(1), WAC 173-401-724(2), and WAC 173-401-724(6):

1. Change is not specifically addressed or prohibited by the permit terms and conditions,
2. Change does not weaken the enforceability of the existing permit conditions,
3. Change is not a Title I modification or a change subject to the acid rain requirements under Title IV of the FCAA,
4. Change meets all applicable requirements and does not violate an existing permit term or condition,
5. Change has complied with applicable preconstruction review requirements established pursuant to RCW 70.94.152.

Provide the following information pursuant to WAC-173-401-724(3):

<b>Description of the change:</b>	
<b>Date of Change:</b> (To be provided in the agency approval order.)	
<b>Describe the emissions resulting from the change:</b>	
<b>Describe the new applicable requirements that will apply as a result of the change:</b> (To be provided in the agency approval order.)	
<b>For Hanford Use Only:</b>	
AOP Change Control Number:	Date Submitted:



## MINOR PERMIT MODIFICATION (MM) PROCESS (WAC 173-401-725(2))

Minor permit modifications are allowed under WAC 173-401-725(2):

(1) Definition. A permit modification is any revision to a chapter 401 permit that cannot be accomplished under provisions for administrative permit amendments under WAC 173-401-720.

(2) Minor permit modification procedures.

(a) Criteria.

(i) Minor permit modification procedures shall be used for those permit modifications that:

(A) Do not violate any applicable requirement;

(B) Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;

(C) Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;

(D) Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:

(I) A federally enforceable emission cap assumed to avoid classification as a modification under any provision of Title I of the FCAA; and; [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

(II) An alternative emission limit approved pursuant to regulations promulgated under Section 122(i)(5) of the FCAA; . [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

(E) Are not modifications under any provision of Title I of the FCAA;

(ii) Notwithstanding (a)(i) of this subsection, and subsection (3)(a) of this section, the permitting authority may allow the use of the minor modification procedures for permit modifications involving the use of economic incentives, marketable permits, emission trading, and other similar approaches, to the extent that the use of such minor permit modifications procedures are explicitly provided for in the Washington state implementation plan or in applicable requirements promulgated by EPA and in effect on April 7, 1993. [This requirement is not applicable to the Hanford Site per Table 5-1 of the AOP.]

### Method

[Note: It is possible a MM maybe used for something not listed below, check with the site contractor responsible for the AOP.]

Using the requirements listed above in the box, a MM for the Hanford Site AOP would be developed and submitted for any of the following:

- Any modification that could not be processed as an AA. This does not address revisions that could be processed as a CNRR or OPC.
- Changes that do not violate any of the applicable requirements of the current AOP, such as but not limited to regulations identified as being applicable, NOC approvals listed in the AOP and associated terms and conditions, WDOH licenses and associated terms and conditions,
- Any change that is not significant to existing monitoring, reporting or recordkeeping, defined as but not limited to: changing a sampling requirement (including method and analysis), changing reporting of emissions, test data, etc that does not change the Hanford program, but provides clarification and standardization of such reporting for all emissions listed in the AOP, changes recordkeeping in which the compliance determination method listed in the annual certification is a system or program and the change does not affect the overall system or program but provides clarification and standardization of the requirements to all emission units listed in the AOP.
- Add new emission units and approvals/license requirements issued by the agencies.

The MM is not used for Title I modifications of the FCAA, a revision to the permit that should be addressed under a CNRR or OPC, a significant modification (a significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions), best way to define a MM is examples such as: {Examples to be developed at a later date.}

A MM change can be made following submittal of the request to administrator (EPA) and permitting authority (Ecology). If the MM is associated with a NOC approval or application for a new emission unit, then the permittee must ensure that the NOC application has been reviewed and approved by the agency before implementation. In addition, until such time that the NOC approval or application is approved by the applicable agencies, the permittee must comply with both the applicable requirements governing the change and the proposed terms and conditions until the agency take final action. Any change made through the MM process is not covered by the AOP permit shield, therefore there is risk associated with the change to be challenged and new applicable requirements being amended to the AOP by a MM.

***If this revision is not what is required to change the Hanford Site AOP, please review the following other types of modifications and revisions.***

### **Responsibilities**

#### Hanford Site

1. Develop the MM by emission unit by using the form following this section. The form, if filled out correctly and completely shall furnish the information required of an MM notification. In addition, a NOC/License revision, or new source permit application, or can be used or attached to the MM as a mechanism to complete the form.
2. Determine if the modification request is for group processing (refer to Group Processing Discussion)
3. Seek consensus with the site contractor for the AOP prior to submittal of the request.
4. Submit a MM to the AOP via a letter to DOE and request DOE to submit the MM to the agencies. On the submittal request, copy organizations that retain a copy of the AOP or request the lead agency to notify AOP holders. Prepare and submit forms for Ecology to use to notify the Administrator, tribes, and affected states as required under WAC 173-401-810 and 173-401-820
5. Ensure the MM form/request has a signed certification per WAC 173-401-520.
6. Permittee can make the change following submittal of the request to administrator (EPA) and permitting authority (Ecology). [WAC 173-401-725(2)(f)]. If the MM is associated with a NOC approval or application for a new emission unit, then the permittee must ensure that the NOC application has been reviewed and approved by the agency before implementation. In addition, until such time that the NOC approval or application is approved by the applicable agencies, the permittee must comply with both the applicable requirements governing the change and the proposed terms and conditions until the agency takes final action

#### Agency Action

1. Review and concur (or deny) proposed changes within 90 days of Ecology's receipt of a MM application or 15 days after the end of the Administrator's 45 day review period, whichever is later, Ecology will:
  - Issue the AOP modification as proposed,
  - Deny the AOP modification application,
  - Determine that the requested modification does not meet the AOP MM criteria and should be reviewed under the significant modification procedures or
  - Revise the draft AOP modification and transmit to the Administrator the new proposed AOP modification as required by WAC 173-401-810.
2. Within 5 working days of receipt of a complete AOP MM, Ecology will meet its obligation under WAC 173-401-810 and 173-401-820 to notify the Administrator, tribes, and affected states of the requested AOP modification. Ecology promptly will send any notice required under WAC 173-401-820(2) to the Administrator.

3. Concurrent with the notice to the Administrator, tribes and affected states, Ecology will submit to the AOP register a notice of each proposed minor AOP modification. Publication in the next available issue of the AOP register will signal the beginning of a public comment period of 21 days. Each notice must describe the proposed revisions and specify the deadline to file comments with Ecology on the proposed modification (Figure 3).
4. At the conclusion of 21 day public comment period, resolve comments if any, and submit to EPA for its 45 day review.
5. The permit shield under WAC 173-401-640 shall not extend to minor permit modifications.

## GROUP PROCESSING OF MMS DISCUSSION [WAC 173-401-725(3)]

Minor permit modifications are allowed under WAC 173-401-725(3):

Group processing of minor permit modifications. Consistent with this subsection, the permitting authority may process groups of a source's applications for certain modifications eligible for minor permit modification processing.

(a) Criteria.

- (i) That meet the criteria for minor permit modification procedures under subsection (2)(a) of this section; and
- (ii) That collectively are below ten percent of the emissions allowed by the permit for the emissions unit for which the change is requested, twenty percent of the applicable definition of major source in WAC 173-401-200, or five tons per year, whichever is least.

### Method

[Note: It is possible a MM maybe used for something not listed below, check with the site contractor responsible for the AOP.]

Using the requirements listed above in the box, a MM for the Hanford Site AOP would be developed and submitted for any of the following:

- A Group Processing can only contain more than one MM either being submitted or which an agency has received and is agreed by the permittee to process as a group.
- The group as a single application (grouping of MM, more then one) must be below the least/lowest one of the following:
  - Ten percent of the emissions allowed for the emissions unit for which the change is being requested, means that if I have two MMs for two emission units and the emissions allowed for these two emission units is 10 pounds per year, then the group MM change in emissions must be less than 1 pound per year, or
  - Twenty percent of the applicable definition of major source [10 tons per year for hazardous air pollutants, 25 tons per year or more of any combination of such hazardous air pollutants], or [100 tons per year or more of any air pollutant), means 20 percent of either 10 tons per year, 25 tons per year or 100 tons per year {or more means if Hanford is a major source because it emits more then 25 or 100 tons per year you would then use that number} the group process MM would be less than 2.5, 5 or 20 tons per year, respectively, or
  - The group MM would have emission less then five tons per year,

### Responsibilities

In addition to the requirements for filing a Minor Modification request (previously discussed) the group processing request needs to include a list of the permittee's other pending applications (i.e. notice of construction applications or notice of construction revision forms plus the completed forms) awaiting group processing, and a determination of whether the requested modification, aggregated with these other applications, equals or exceeds the threshold. The group processing requires a certification and notification forms for the administrator, tribes and affected states.

The advantage of group processing is that the modifications are held by the agency and added to the AOP as a single action, thus avoiding several, and possibly overlapping, public reviews. The permittee is still allowed to make the change immediately after a complete application is filed, provided that any regulatory agency approval/license has been reviewed and approved by the agency [WAC 173-401-725(2)(f)]. Concurrent with the notice to the Administrator, tribes and affected states, Ecology will submit to the AOP register a notice of each proposed minor AOP modification. Publication in the next available issue of the AOP register will signal the beginning of a public comment period of 21 days.

The agency must complete the group processing AOP modification process within 180 days after receipt of the first group modification request or 15 days after the end of the Administrator's 45 day review/approval, whichever is later.

Any change made through the Group MM process is not covered by the AOP permit shield, therefore there is risk associated with the change to be challenged and new applicable requirements being amended to the AOP by a Group MM.

***If this revision is not what is required to change the Hanford Site AOP, please review the following other types of modifications and revisions.***

**HANFORD SITE AIR OPERATING PERMIT****Minor Permit Modifications Request****Permit Number 00-05-006**

*Attach the completed Notification of Permit Modification Request Form to the EPA/Tribes/Affected States.*

Minor permit modifications are allowed under WAC 173-401-725(2):

- Does not violate any applicable requirement,
- Does not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit,
- Is not a Title I modification.

Provide the following information pursuant to WAC-173-401-725(2)(b)

**Description of the change:**

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**Describe the emissions resulting from the change:**

--

**Describe the new applicable requirements that will apply as a result of the change:**

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**Suggested Draft Permit Language:**

*For example:*

- *Monitoring/PCM that will be used to support compliance determination/certification.*
- *Description of air pollution control equipment (abatement technology).*
- *Other controls such as limits on inventory; process limits such as throughput, hours of operation, or acceptance criteria; or other assumptions used in potential to emit calculations.*
- *Other process descriptions that constitute a term or condition, such as reporting or recordkeeping requirements.*

--

**CERTIFICATION**

*Provide certification pursuant to (WAC 173-401-725(2)(b)(iii))*

I certify that based on information and belief formed after reasonable inquiry of the person or persons who perform activities, or those persons directly responsible for gathering the information, the statements and information provided in this modification request are true, accurate, and complete. I also certify that the proposed modification meets the criteria for use of minor permit modification procedures, as hereby requested.

Responsible Official:

--

Title:

--

Signature:

Date:

--

For Hanford Site Use Only:

AOP Change Control Number:

Date Submitted:

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**HANFORD SITE AIR OPERATING PERMIT****Group Processing of Minor Permit Modifications Request****Permit Number 00-05-006**

*Attach the completed Notification of Permit Modification Request Form to the EPA/Tribes/Affected States.*

Group processing of minor permit modifications are allowed under WAC 173-401-725(3):

- That meet the criteria for minor permit modification procedures under subsection (2)(a) of this section; and
- That collectively are below ten percent of the emissions allowed by the permit for the emissions unit for which the change is requested, twenty percent of the applicable definition of major source in WAC 173-401-200, or five tons per year, whichever is least.

Provide the following information pursuant to WAC-173-401-725(3)(b):

<b>Description of the change:</b>	
<b>Describe the emissions resulting from the change:</b>	
<b>Describe the new applicable requirements that will apply as a result of the change:</b>	
<b>Suggested Draft Permit Language:</b>	
<i>For example:</i>	
<ul style="list-style-type: none"> <li>▪ <i>Monitoring/PCM that will be used to support compliance determination/certification.</i></li> <li>▪ <i>Description of air pollution control equipment (abatement technology).</i></li> <li>▪ <i>Other controls such as limits on inventory, process limits such as throughput, hours of operation, or acceptance criteria, or other assumptions used in PTE calculations.</i></li> <li>▪ <i>Other process descriptions that constitute a term or condition, such as reporting or recordkeeping requirements.</i></li> </ul>	
<b>List all other pending applications waiting group processing:</b> (WAC 173-401-725(3)(b)(iv))	
<b>Determination that group is below emission threshold:</b> (WAC 173-401-725(3)(b)(iv))	
Do the emissions stated in this permit modification request added to the emissions from the minor modification requests listed below equal or exceed the group processing thresholds? (Y or N)	
<b>CERTIFICATION</b>	
<i>Provide certification pursuant to (WAC 173-401-725(3)(b)(v))</i>	
I certify that based on information and belief formed after reasonable inquiry of the person or persons who perform activities, or those persons directly responsible for gathering the information, the statements and information provided in this modification request are true, accurate, and complete. I also certify that the proposed modification meets the criteria for use of group processing of minor permit modification procedures, as hereby requested.	
Responsible Official:	
Title:	
Signature:	Date:
For Hanford Site Use Only:	
AOP Change Control Number:	Date:

**Notification of Permit Modification request to the U.S. Environmental Protection Agency, Region 10, the Tribes, and Affected States**

Attached is a request to revise the Hanford Site Air Operating Permit. This form serves as notification to EPA, tribes, and affected states of a request for an Air Operating Permit Modification per WAC 173-401-725(2), (3) and (4).

<b>Air Operating Permit Number:</b> 00-05-006	
<b>Source:</b> U.S. Department of Energy, Hanford Site	
<b>Mailing Address:</b>	<b>Physical Address:</b>
<b>Brief Description:</b>	
<b>Contact Name:</b>	<b>Phone:</b>
<b>Title:</b> Manager U.S. Department of Energy,	
For Hanford Site Use Only:	
<b>AOP Change Control Number:</b>	<b>Date Submitted:</b>
<b>FOR ECOLOGY USE ONLY</b>	
<b>Application Number:</b>	<b>Date Received:</b>
<b>Ecology Contact:</b>	
<b>Date of Publication in Permit Register:</b>	<b>Public Comment Period Ends:</b>



## **SIGNIFICANT MODIFICATION (SM) PROCESS (WAC 173-401-725(4))**

Significant permit modifications are allowed under WAC 173-401-725(4) for those modifications that do not meet the requirements for a minor permit modification or an administrative amendment.

### **Method**

[Note: It is possible a SM maybe used for something not listed below, check with the site contractor responsible for the AOP.]

The SM is not used for a revision to the permit that should be addressed under a CNRR or OPC, or a MM. SM procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative permit amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant.

SM shall meet all requirements of WAC 173-401, including those for applications, public participation, review by affected states, and review by EPA, as they apply to permit issuance and permit renewal. A SM can be implemented on the date of its approval. Any change made through the SM process is covered by the AOP permit shield.

### **Responsibilities**

#### Hanford Site Actions

1. Develop the SM by emission unit by using the form following this section. The form, if filled out correctly and completely shall furnish the information required of an MM notification. In addition, a NOC/License revision, or new source permit application, or can be used or attached to the SM as a mechanism to complete the form.
2. Seek consensus with the site contractor for the AOP prior to submittal of the request.
3. Submit a SM to the AOP via a letter to DOE and request DOE to submit the SM to the agencies. On the submittal request, copy organizations that retain a copy of the AOP or request the lead agency to notify AOP holders. Prepare and submit forms for Ecology to use to notify the Administrator, tribes, and affected states as required under WAC 173-401-810 and 173-401-820
4. Ensure the SM form/request has a signed certification per WAC 173-401-520.
5. Permittee can make change only after issuance of the permit revision by the agency.

#### Agency Actions

1. Provide EPA a copy of permit application.
2. Maintain and update permit register.
3. Determine notice of construction application completeness.
4. Prepare and publish public notices and/or public hearing.
5. Conduct 30 day public and affected states review period
6. Respond to any public and affected state's comments, prepare responsiveness summary, and revise application accordingly
7. Provide to EPA for 45 day review
8. Issue within 15 days after EPA review/approval or deny change
9. Update and publish modified AOP as required
10. Complete review on the majority of significant AOP modifications within 9 months after receipt of a complete notice of construction application

**HANFORD SITE AIR OPERATING PERMIT****Significant Permit Modification Request****Permit Number 00-05-006**

Significant permit modifications are allowed under WAC 173-401-725(4) for those modifications that do not meet the requirements for a minor permit modification or an administrative amendment.

Provide the following information pursuant to WAC-173-401-725(4)

**Description of the change:****Describe the emissions resulting from the change:**

**Describe the new applicable requirements that will apply as a result of the change:**  
(To be provided in the agency approval order.)

**Suggested Draft Permit Language:**

*For example:*

- *Monitoring/PCM that will be used to support compliance determination/certification.*
- *Description of air pollution control equipment (abatement technology).*
- *Other controls such as limits on inventory, process limits such as throughput, hours of operation, or acceptance criteria, or other assumptions used in Potential-to-Emit calculations.*
- *Other process descriptions that constitute a term or condition, such as reporting or recordkeeping requirements.*

**CERTIFICATION**

*Provide certification pursuant to (WAC 173-401-520)*

I certify that based on information and belief formed after reasonable inquiry of the person or persons who perform activities, or those persons directly responsible for gathering the information, the statements and information provided in this modification request are true, accurate, and complete.

Responsible Official:

Title:

Signature:

Date:

For Hanford Site Use Only:

AOP Change Control Number:

Date Submitted:

**Notification of Permit Modification Request to the U.S. Environmental Protection Agency, Region 10, the Tribes, and Affected States**

Attached is a request to revise the Hanford Site Air Operating Permit. This form serves as notification to EPA, tribes, and affected states of a request for an Air Operating Permit Modification per WAC 173-401-725(2), (3) and (4).

<b>Air Operating Permit Number:</b> 00-05-006	
<b>Source:</b> U.S. Department of Energy, Hanford Site	
<b>Mailing Address:</b>	<b>Physical Address:</b>
<b>Brief Description:</b>	
<b>Contact Name:</b>	<b>Phone:</b>
<b>Title:</b> Manager U.S. Department of Energy,	
For Hanford Site Use Only:	
<b>AOP Change Control Number:</b>	<b>Date Submitted:</b>
<b>FOR ECOLOGY USE ONLY</b>	
<b>Application Number:</b>	<b>Date Received:</b>
<b>Ecology Contact:</b>	
<b>Date of Publication in Permit Register:</b>	<b>Public Comment Period Ends:</b>